



MSB-7272P2.ST25.txt
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<110> BAYER CORPORATION

<120> Pituitary Adenylate Cyclase Activating Peptide (PACAP) Receptor 3 (R3)
Agonists and Their Pharmacological Methods of Use

<130> Bayer

<150> 09/407,832

<151> 1999-09-28

<150> 09/595,280

<151> 2000-06-15

<160> 341

<170> PatentIn version 3.1

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His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ser Ala Val Arg His Gly Gly Thr
20 25 30

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<400> 60

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln

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1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Lys Gln Gly Gly Thr
20 25 30

<210> 61
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<400> 61

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Lys Lys Tyr Leu Ala Ala
20 25 30

Val Arg His Gly
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<400> 62

Ser Trp Cys Glu Pro Gly Trp Cys Arg His Ser Asp Ala Val Phe Thr
1 5 10 15

Glu Asn Tyr Thr Lys Leu Arg Lys Gln Leu Ala Ala Lys Lys Tyr Leu
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Asn Asp Leu Lys Lys Gly Gly Thr
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<400> 63

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Asn Asp Ile Leu Lys Gly Gly Thr
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Asn Asp Ile Leu Asn Gly Gly Thr
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<400> 65

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

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Leu Ala Val Lys Lys Tyr Leu Asn Asp Ile Leu Lys Gly Gly Thr
20 25 30

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<400> 66

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Ala Asp Val Lys Lys Gly Gly Thr
20 25 30

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<400> 67

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Ala Asp Val Lys Lys
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<400> 68

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Leu Ala Val Lys Lys Tyr Leu Ala Ala Val Lys Lys
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<400> 69

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Lys Lys
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1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Lys
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys Arg Tyr
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<400> 73

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Asn Thr Ile Lys Asn Lys Arg Tyr
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg Tyr
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys Arg Tyr
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
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Met Ala Ala Lys Lys Tyr Leu Asn Thr Ile Lys Asn Lys Arg Tyr
 20 25 30

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His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Met Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg Tyr
 20 25 30

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<400> 78

His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Leu Ala Ala Lys Lys Tyr Leu Asn Thr Ile Lys Asn Lys Arg Tyr
 20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Ala His Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg Tyr
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Ala Lys His Tyr Leu Asn Ser Ile Lys Asn Lys Arg Tyr
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1 5 10 15

Leu Ala Ala His Lys Tyr Leu Asn Thr Ile Lys Asn Lys Arg Tyr
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1 5 10 15

Leu Ala Ala Lys His Tyr Leu Asn Thr Ile Lys Asn Lys Arg Tyr
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Lys Lys Arg
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Lys Lys Arg
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 1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg Tyr
 20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Lys Lys Lys Arg
 20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
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1 5 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Lys Lys Lys
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1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys Arg Tyr
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys Arg Tyr
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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys Arg
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1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys
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1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys
20 25

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1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys Arg Tyr
20 25 30

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<400> 94

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys Arg
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Leu Lys Lys
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 1 5 10 15

Val Ala Val Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys
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Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Asn Lys Arg Tyr
 20 25 30

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<400> 98

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15

Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Asn Lys Arg
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Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Leu Asn Lys
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 1 5 10 15

Met Ala Cys Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
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<400> 101

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1 5 10 15

Met Ala Asp Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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1 5 10 15

Met Ala Glu Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Phe Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Gly Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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1 5 10 15

Met Ala His Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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Met Ala Ile Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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20 25 30

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Met Ala Leu Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
20 25 30

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20 25 30

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1 5 10 15

Met Ala Gln Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
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Met Ala Arg Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
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1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Lys Asn Lys Arg
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20 25 30

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1 5 10 15

Met Ala Ala Lys Lys Tyr Leu Asn Ser Ile Ala Asn Lys Arg
20 25 30

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Met Ala Ala Lys Lys Tyr Leu Asn Ser Ile Cys Asn Lys Arg
20 25 30

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MSB-7272P2.ST25.txt

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Lys Arg Tyr

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